

Release notes for ENDF/B Development n-019_K_039
evaluation

ENDF
B-VII.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section
MAT=1925, MF= 1, MT=451 (1): Parsing stopped

```
ERROR(S) FOUND IN MAT=1925, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      263 TO      322
```

- checkr Errors:

1. A variable is outside the allowed ENDF range
MAT=1925, MF= 1, MT=451 (0): Variable range

```
ERROR(S) FOUND IN MAT=1925, MF= 1, MT=451
MOD =      3 OUT OF RANGE      0 -      0      RECORD NUMBER      263
```

2. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF= 2, MT=151 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=1925, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY      RECORD NUMBER      324
```

3. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF= 3, MT= 1 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=1925, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY      RECORD NUMBER      695
```

4. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF= 3, MT= 2 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=1925, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY      RECORD NUMBER      719
```

5. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF= 3, MT= 4 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=1925, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY      RECORD NUMBER      743
```

6. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF= 3, MT= 16 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=1925, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY      RECORD NUMBER      755
```

7. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF= 3, MT= 22 (0): Directory (b)

- | | |
|---|-------------------|
| ERROR(S) FOUND IN MAT=1925, MF= 3, MT= 22 | |
| SECTION 3/ 22 NOT IN DIRECTORY | RECORD NUMBER 761 |
8. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF= 3, MT= 28 (0): Directory (b)
- | | |
|---|-------------------|
| ERROR(S) FOUND IN MAT=1925, MF= 3, MT= 28 | |
| SECTION 3/ 28 NOT IN DIRECTORY | RECORD NUMBER 768 |
9. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF= 3, MT= 51 (0): Directory (b)
- | | |
|---|-------------------|
| ERROR(S) FOUND IN MAT=1925, MF= 3, MT= 51 | |
| SECTION 3/ 51 NOT IN DIRECTORY | RECORD NUMBER 776 |
10. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF= 3, MT= 52 (0): Directory (b)
- | | |
|---|-------------------|
| ERROR(S) FOUND IN MAT=1925, MF= 3, MT= 52 | |
| SECTION 3/ 52 NOT IN DIRECTORY | RECORD NUMBER 788 |
11. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF= 3, MT= 53 (0): Directory (b)
- | | |
|---|-------------------|
| ERROR(S) FOUND IN MAT=1925, MF= 3, MT= 53 | |
| SECTION 3/ 53 NOT IN DIRECTORY | RECORD NUMBER 800 |
12. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF= 3, MT= 54 (0): Directory (b)
- | | |
|---|-------------------|
| ERROR(S) FOUND IN MAT=1925, MF= 3, MT= 54 | |
| SECTION 3/ 54 NOT IN DIRECTORY | RECORD NUMBER 811 |
13. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF= 3, MT= 91 (0): Directory (b)
- | | |
|---|-------------------|
| ERROR(S) FOUND IN MAT=1925, MF= 3, MT= 91 | |
| SECTION 3/ 91 NOT IN DIRECTORY | RECORD NUMBER 822 |
14. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF= 3, MT=102 (0): Directory (b)
- | | |
|---|-------------------|
| ERROR(S) FOUND IN MAT=1925, MF= 3, MT=102 | |
| SECTION 3/102 NOT IN DIRECTORY | RECORD NUMBER 833 |
15. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF= 3, MT=103 (0): Directory (b)

- | | |
|---|-------------------|
| ERROR(S) FOUND IN MAT=1925, MF= 3, MT=103 | |
| SECTION 3/103 NOT IN DIRECTORY | RECORD NUMBER 849 |
16. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF= 3, MT=107 (0): Directory (b)
- | | |
|---|-------------------|
| ERROR(S) FOUND IN MAT=1925, MF= 3, MT=107 | |
| SECTION 3/107 NOT IN DIRECTORY | RECORD NUMBER 863 |
17. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF= 4, MT= 2 (0): Directory (b)
- | | |
|--|-------------------|
| ERROR(S) FOUND IN MAT=1925, MF= 4, MT= 2 | |
| SECTION 4/ 2 NOT IN DIRECTORY | RECORD NUMBER 877 |
18. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF= 4, MT= 16 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=1925, MF= 4, MT= 16 | |
| SECTION 4/ 16 NOT IN DIRECTORY | RECORD NUMBER 1021 |
19. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF= 4, MT= 22 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=1925, MF= 4, MT= 22 | |
| SECTION 4/ 22 NOT IN DIRECTORY | RECORD NUMBER 1024 |
20. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF= 4, MT= 28 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=1925, MF= 4, MT= 28 | |
| SECTION 4/ 28 NOT IN DIRECTORY | RECORD NUMBER 1027 |
21. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF= 4, MT= 51 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=1925, MF= 4, MT= 51 | |
| SECTION 4/ 51 NOT IN DIRECTORY | RECORD NUMBER 1030 |
22. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF= 4, MT= 52 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=1925, MF= 4, MT= 52 | |
| SECTION 4/ 52 NOT IN DIRECTORY | RECORD NUMBER 1051 |
23. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF= 4, MT= 53 (0): Directory (b)

- ERROR(S) FOUND IN MAT=1925, MF= 4, MT= 53
SECTION 4/ 53 NOT IN DIRECTORY RECORD NUMBER 1071
24. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF= 4, MT= 54 (0): Directory (b)
- ERROR(S) FOUND IN MAT=1925, MF= 4, MT= 54
SECTION 4/ 54 NOT IN DIRECTORY RECORD NUMBER 1090
25. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF= 4, MT= 91 (0): Directory (b)
- ERROR(S) FOUND IN MAT=1925, MF= 4, MT= 91
SECTION 4/ 91 NOT IN DIRECTORY RECORD NUMBER 1109
26. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF= 5, MT= 16 (0): Directory (b)
- ERROR(S) FOUND IN MAT=1925, MF= 5, MT= 16
SECTION 5/ 16 NOT IN DIRECTORY RECORD NUMBER 1145
27. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF= 5, MT= 22 (0): Directory (b)
- ERROR(S) FOUND IN MAT=1925, MF= 5, MT= 22
SECTION 5/ 22 NOT IN DIRECTORY RECORD NUMBER 1228
28. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF= 5, MT= 28 (0): Directory (b)
- ERROR(S) FOUND IN MAT=1925, MF= 5, MT= 28
SECTION 5/ 28 NOT IN DIRECTORY RECORD NUMBER 1369
29. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF= 5, MT= 91 (0): Directory (b)
- ERROR(S) FOUND IN MAT=1925, MF= 5, MT= 91
SECTION 5/ 91 NOT IN DIRECTORY RECORD NUMBER 1534
30. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF=12, MT= 16 (0): Directory (b)
- ERROR(S) FOUND IN MAT=1925, MF=12, MT= 16
SECTION 12/ 16 NOT IN DIRECTORY RECORD NUMBER 1773
31. Missing a gamma spectrum for continuum of gammas
MAT=1925, MF=12, MT= 16 (1): No gamma spectrum
- ERROR(S) FOUND IN MAT=1925, MF=12, MT= 16
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

32. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF=12, MT= 22 (0): Directory (b)
- ERROR(S) FOUND IN MAT=1925, MF=12, MT= 22
SECTION 12/ 22 NOT IN DIRECTORY RECORD NUMBER 1780
33. Missing a gamma spectrum for continuum of gammas
MAT=1925, MF=12, MT= 22 (1): No gamma spectrum
- ERROR(S) FOUND IN MAT=1925, MF=12, MT= 22
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15
34. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF=12, MT= 28 (0): Directory (b)
- ERROR(S) FOUND IN MAT=1925, MF=12, MT= 28
SECTION 12/ 28 NOT IN DIRECTORY RECORD NUMBER 1788
35. Missing a gamma spectrum for continuum of gammas
MAT=1925, MF=12, MT= 28 (1): No gamma spectrum
- ERROR(S) FOUND IN MAT=1925, MF=12, MT= 28
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15
36. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF=12, MT= 51 (0): Directory (b)
- ERROR(S) FOUND IN MAT=1925, MF=12, MT= 51
SECTION 12/ 51 NOT IN DIRECTORY RECORD NUMBER 1797
37. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF=12, MT= 52 (0): Directory (b)
- ERROR(S) FOUND IN MAT=1925, MF=12, MT= 52
SECTION 12/ 52 NOT IN DIRECTORY RECORD NUMBER 1801
38. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF=12, MT= 53 (0): Directory (b)
- ERROR(S) FOUND IN MAT=1925, MF=12, MT= 53
SECTION 12/ 53 NOT IN DIRECTORY RECORD NUMBER 1805
39. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF=12, MT= 54 (0): Directory (b)
- ERROR(S) FOUND IN MAT=1925, MF=12, MT= 54
SECTION 12/ 54 NOT IN DIRECTORY RECORD NUMBER 1809
40. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF=12, MT= 91 (0): Directory (b)

- ERROR(S) FOUND IN MAT=1925, MF=12, MT= 91
SECTION 12/ 91 NOT IN DIRECTORY RECORD NUMBER 1814
41. Missing a gamma spectrum for continuum of gammas
MAT=1925, MF=12, MT= 91 (1): No gamma spectrum
- ERROR(S) FOUND IN MAT=1925, MF=12, MT= 91
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15
42. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF=12, MT=102 (0): Directory (b)
- ERROR(S) FOUND IN MAT=1925, MF=12, MT=102
SECTION 12/102 NOT IN DIRECTORY RECORD NUMBER 1824
43. Missing a gamma spectrum for continuum of gammas
MAT=1925, MF=12, MT=102 (1): No gamma spectrum
- ERROR(S) FOUND IN MAT=1925, MF=12, MT=102
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15
44. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF=12, MT=103 (0): Directory (b)
- ERROR(S) FOUND IN MAT=1925, MF=12, MT=103
SECTION 12/103 NOT IN DIRECTORY RECORD NUMBER 1838
45. Missing a gamma spectrum for continuum of gammas
MAT=1925, MF=12, MT=103 (1): No gamma spectrum
- ERROR(S) FOUND IN MAT=1925, MF=12, MT=103
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15
46. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF=12, MT=107 (0): Directory (b)
- ERROR(S) FOUND IN MAT=1925, MF=12, MT=107
SECTION 12/107 NOT IN DIRECTORY RECORD NUMBER 1850
47. Missing a gamma spectrum for continuum of gammas
MAT=1925, MF=12, MT=107 (1): No gamma spectrum
- ERROR(S) FOUND IN MAT=1925, MF=12, MT=107
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15
48. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF=14, MT= 16 (0): Directory (b)
- ERROR(S) FOUND IN MAT=1925, MF=14, MT= 16
SECTION 14/ 16 NOT IN DIRECTORY RECORD NUMBER 1863

49. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF=14, MT= 22 (0): Directory (b)
- ERROR(S) FOUND IN MAT=1925, MF=14, MT= 22
SECTION 14/ 22 NOT IN DIRECTORY RECORD NUMBER 1865
50. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF=14, MT= 28 (0): Directory (b)
- ERROR(S) FOUND IN MAT=1925, MF=14, MT= 28
SECTION 14/ 28 NOT IN DIRECTORY RECORD NUMBER 1867
51. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF=14, MT= 51 (0): Directory (b)
- ERROR(S) FOUND IN MAT=1925, MF=14, MT= 51
SECTION 14/ 51 NOT IN DIRECTORY RECORD NUMBER 1869
52. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF=14, MT= 52 (0): Directory (b)
- ERROR(S) FOUND IN MAT=1925, MF=14, MT= 52
SECTION 14/ 52 NOT IN DIRECTORY RECORD NUMBER 1871
53. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF=14, MT= 53 (0): Directory (b)
- ERROR(S) FOUND IN MAT=1925, MF=14, MT= 53
SECTION 14/ 53 NOT IN DIRECTORY RECORD NUMBER 1873
54. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF=14, MT= 54 (0): Directory (b)
- ERROR(S) FOUND IN MAT=1925, MF=14, MT= 54
SECTION 14/ 54 NOT IN DIRECTORY RECORD NUMBER 1875
55. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF=14, MT= 91 (0): Directory (b)
- ERROR(S) FOUND IN MAT=1925, MF=14, MT= 91
SECTION 14/ 91 NOT IN DIRECTORY RECORD NUMBER 1877
56. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=1925, MF=14, MT=102 (0): Directory (b)
- ERROR(S) FOUND IN MAT=1925, MF=14, MT=102
SECTION 14/102 NOT IN DIRECTORY RECORD NUMBER 1879

57. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=1925, MF=14, MT=103 (0): Directory (b)

ERROR(S) FOUND IN MAT=1925, MF=14, MT=103
SECTION 14/103 NOT IN DIRECTORY RECORD NUMBER 1881

58. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=1925, MF=14, MT=107 (0): Directory (b)

ERROR(S) FOUND IN MAT=1925, MF=14, MT=107
SECTION 14/107 NOT IN DIRECTORY RECORD NUMBER 1883

59. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=1925, MF=15, MT= 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=1925, MF=15, MT= 16
SECTION 15/ 16 NOT IN DIRECTORY RECORD NUMBER 1886

60. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=1925, MF=15, MT= 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=1925, MF=15, MT= 22
SECTION 15/ 22 NOT IN DIRECTORY RECORD NUMBER 1942

61. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=1925, MF=15, MT= 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=1925, MF=15, MT= 28
SECTION 15/ 28 NOT IN DIRECTORY RECORD NUMBER 2052

62. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=1925, MF=15, MT= 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=1925, MF=15, MT= 91
SECTION 15/ 91 NOT IN DIRECTORY RECORD NUMBER 2208

63. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=1925, MF=15, MT=102 (0): Directory (b)

ERROR(S) FOUND IN MAT=1925, MF=15, MT=102
SECTION 15/102 NOT IN DIRECTORY RECORD NUMBER 2529

64. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=1925, MF=15, MT=103 (0): Directory (b)

ERROR(S) FOUND IN MAT=1925, MF=15, MT=103
SECTION 15/103 NOT IN DIRECTORY RECORD NUMBER 3190

65. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=1925, MF=15, MT=107 (0): Directory (b)

ERROR(S) FOUND IN MAT=1925, MF=15, MT=107
SECTION 15/107 NOT IN DIRECTORY

RECORD NUMBER 3525

66. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=1925, MF=32, MT=151 (0): Directory (b)

ERROR(S) FOUND IN MAT=1925, MF=32, MT=151
SECTION 32/151 NOT IN DIRECTORY

RECORD NUMBER 3847

• **psyche Warnings:**

1. Gamma width not in agreement with PSYCHE's expectations

FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 0 / AT RESONANCE ENERGY 1.21560E+04 EV. THE GAMMA WIDTH 1.58440E-01 DEVIATES TOO MUCH FROM THE AVERAGE 8.29065E-01 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 0

AT RESONANCE ENERGY 1.21560E+04 EV. THE GAMMA WIDTH 1.58440E-01 DEVIATES TOO MUCH FROM THE AVERAGE 8.29065E-01 (0): Gamma width

2. Gamma width not in agreement with PSYCHE's expectations

FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 0 / AT RESONANCE ENERGY 1.22500E+05 EV. THE GAMMA WIDTH 8.70960E-02 DEVIATES TOO MUCH FROM THE AVERAGE 8.29065E-01 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 0

AT RESONANCE ENERGY 1.22500E+05 EV. THE GAMMA WIDTH 8.70960E-02 DEVIATES TOO MUCH FROM THE AVERAGE 8.29065E-01 (0): Gamma width

3. Gamma width not in agreement with PSYCHE's expectations

FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 0 / AT RESONANCE ENERGY 1.43947E+05 EV. THE GAMMA WIDTH 2.37950E-01 DEVIATES TOO MUCH FROM THE AVERAGE 8.29065E-01 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 0

AT RESONANCE ENERGY 1.43947E+05 EV. THE GAMMA WIDTH 2.37950E-01 DEVIATES TOO MUCH FROM THE AVERAGE 8.29065E-01 (0): Gamma width

4. Gamma width not in agreement with PSYCHE's expectations

FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 0 / AT RESONANCE ENERGY 1.92967E+05 EV. THE GAMMA WIDTH 1.40300E-01 DEVIATES TOO MUCH FROM THE AVERAGE 8.29065E-01 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 0

AT RESONANCE ENERGY 1.92967E+05 EV. THE GAMMA WIDTH 1.40300E-01 DEVIATES TOO MUCH FROM THE AVERAGE 8.29065E-01 (0): Gamma width

5. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 0 / AT RESONANCE ENERGY 2.23802E+05 EV. THE GAMMA WIDTH 1.13810E-01 DEVIATES TOO MUCH FROM THE AVERAGE 8.29065E-01 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 0

AT RESONANCE ENERGY 2.23802E+05 EV. THE GAMMA WIDTH 1.13810E-01 DEVIATES TOO MUCH FROM THE AV

6. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 0 / AT RESONANCE ENERGY 2.24320E+05 EV. THE GAMMA WIDTH 1.94760E-01 DEVIATES TOO MUCH FROM THE AVERAGE 8.29065E-01 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 0

AT RESONANCE ENERGY 2.24320E+05 EV. THE GAMMA WIDTH 1.94760E-01 DEVIATES TOO MUCH FROM THE AV

7. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 0 / AT RESONANCE ENERGY 2.28507E+05 EV. THE GAMMA WIDTH 2.22010E-01 DEVIATES TOO MUCH FROM THE AVERAGE 8.29065E-01 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 0

AT RESONANCE ENERGY 2.28507E+05 EV. THE GAMMA WIDTH 2.22010E-01 DEVIATES TOO MUCH FROM THE AV

8. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 0 / AT RESONANCE ENERGY 2.43771E+05 EV. THE GAMMA WIDTH 8.81010E-02 DEVIATES TOO MUCH FROM THE AVERAGE 8.29065E-01 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 0

AT RESONANCE ENERGY 2.43771E+05 EV. THE GAMMA WIDTH 8.81010E-02 DEVIATES TOO MUCH FROM THE AV

9. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 0 / AT RESONANCE ENERGY 2.44082E+05 EV. THE GAMMA WIDTH 9.24760E-02 DEVIATES TOO MUCH FROM THE AVERAGE 8.29065E-01 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 0

AT RESONANCE ENERGY 2.44082E+05 EV. THE GAMMA WIDTH 9.24760E-02 DEVIATES TOO MUCH FROM THE AV

10. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 0 / AT RESONANCE ENERGY 2.44641E+05 EV. THE GAMMA WIDTH 1.77860E-01 DEVIATES TOO MUCH FROM THE AVERAGE 8.29065E-01 (0): Gamma width

- FILE 2
SECTION 151
ISOTOPE MASS = 39. L = 0
AT RESONANCE ENERGY 2.44641E+05 EV. THE GAMMA WIDTH 1.77860E-01 DEVIATES TOO MUCH FROM THE AV
11. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 0 / AT RESONANCE ENERGY 2.46342E+05 EV. THE GAMMA WIDTH 9.49390E-02 DEVIATES TOO MUCH FROM THE AVERAGE 8.29065E-01 (0): Gamma width
- FILE 2
SECTION 151
ISOTOPE MASS = 39. L = 0
AT RESONANCE ENERGY 2.46342E+05 EV. THE GAMMA WIDTH 9.49390E-02 DEVIATES TOO MUCH FROM THE AV
12. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 0 / AT RESONANCE ENERGY 2.58494E+05 EV. THE GAMMA WIDTH 2.08070E-01 DEVIATES TOO MUCH FROM THE AVERAGE 8.29065E-01 (0): Gamma width
- FILE 2
SECTION 151
ISOTOPE MASS = 39. L = 0
AT RESONANCE ENERGY 2.58494E+05 EV. THE GAMMA WIDTH 2.08070E-01 DEVIATES TOO MUCH FROM THE AV
13. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 0 / AT RESONANCE ENERGY 2.59090E+05 EV. THE GAMMA WIDTH 1.52040E-01 DEVIATES TOO MUCH FROM THE AVERAGE 8.29065E-01 (0): Gamma width
- FILE 2
SECTION 151
ISOTOPE MASS = 39. L = 0
AT RESONANCE ENERGY 2.59090E+05 EV. THE GAMMA WIDTH 1.52040E-01 DEVIATES TOO MUCH FROM THE AV
14. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 0 / AT RESONANCE ENERGY 3.01071E+05 EV. THE GAMMA WIDTH 2.22380E-01 DEVIATES TOO MUCH FROM THE AVERAGE 8.29065E-01 (0): Gamma width
- FILE 2
SECTION 151
ISOTOPE MASS = 39. L = 0
AT RESONANCE ENERGY 3.01071E+05 EV. THE GAMMA WIDTH 2.22380E-01 DEVIATES TOO MUCH FROM THE AV
15. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 0 / AT RESONANCE ENERGY 3.53178E+05 EV. THE GAMMA WIDTH 3.04580E+00 DEVIATES TOO MUCH FROM THE AVERAGE 8.29065E-01 (0): Gamma width
- FILE 2
SECTION 151
ISOTOPE MASS = 39. L = 0
AT RESONANCE ENERGY 3.53178E+05 EV. THE GAMMA WIDTH 3.04580E+00 DEVIATES TOO MUCH FROM THE AV
16. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 0 / STRENGTH FUNCTION

*IS 2.13182E-05 / STRENGTH FUNCTION 2.13182E-05 / LIES OUTSIDE LIMITS
1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.*

FILE 2
SECTION 151
ISOTOPE MASS = 39. L = 0
STRENGTH FUNCTION IS 2.13182E-05
STRENGTH FUNCTION 2.13182E-05
... [1 more lines]

17. Gamma width not in agreement with PSYCHE's expectations
*FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE
ENERGY 1.03498E+04 EV. THE GAMMA WIDTH 6.50120E-02 DEVIATES TOO
MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width*

FILE 2
SECTION 151
ISOTOPE MASS = 39. L = 1
AT RESONANCE ENERGY 1.03498E+04 EV. THE GAMMA WIDTH 6.50120E-02 DEVIATES TOO MUCH FROM THE AV

18. Gamma width not in agreement with PSYCHE's expectations
*FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE
ENERGY 1.26234E+04 EV. THE GAMMA WIDTH 3.45360E-01 DEVIATES TOO
MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width*

FILE 2
SECTION 151
ISOTOPE MASS = 39. L = 1
AT RESONANCE ENERGY 1.26234E+04 EV. THE GAMMA WIDTH 3.45360E-01 DEVIATES TOO MUCH FROM THE AV

19. Gamma width not in agreement with PSYCHE's expectations
*FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE
ENERGY 1.42984E+04 EV. THE GAMMA WIDTH 2.32240E-01 DEVIATES TOO
MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width*

FILE 2
SECTION 151
ISOTOPE MASS = 39. L = 1
AT RESONANCE ENERGY 1.42984E+04 EV. THE GAMMA WIDTH 2.32240E-01 DEVIATES TOO MUCH FROM THE AV

20. Gamma width not in agreement with PSYCHE's expectations
*FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE
ENERGY 1.59542E+04 EV. THE GAMMA WIDTH 2.77330E-01 DEVIATES TOO
MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width*

FILE 2
SECTION 151
ISOTOPE MASS = 39. L = 1
AT RESONANCE ENERGY 1.59542E+04 EV. THE GAMMA WIDTH 2.77330E-01 DEVIATES TOO MUCH FROM THE AV

21. Gamma width not in agreement with PSYCHE's expectations
*FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE
ENERGY 1.67115E+04 EV. THE GAMMA WIDTH 2.95350E-01 DEVIATES TOO
MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width*

- FILE 2
SECTION 151
ISOTOPE MASS = 39. L = 1
AT RESONANCE ENERGY 1.67115E+04 EV. THE GAMMA WIDTH 2.95350E-01 DEVIATES TOO MUCH FROM THE AV
22. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 2.83579E+04 EV. THE GAMMA WIDTH 1.97070E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width
- FILE 2
SECTION 151
ISOTOPE MASS = 39. L = 1
AT RESONANCE ENERGY 2.83579E+04 EV. THE GAMMA WIDTH 1.97070E-01 DEVIATES TOO MUCH FROM THE AV
23. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 3.33640E+04 EV. THE GAMMA WIDTH 3.08130E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width
- FILE 2
SECTION 151
ISOTOPE MASS = 39. L = 1
AT RESONANCE ENERGY 3.33640E+04 EV. THE GAMMA WIDTH 3.08130E-01 DEVIATES TOO MUCH FROM THE AV
24. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 5.47886E+04 EV. THE GAMMA WIDTH 3.11370E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width
- FILE 2
SECTION 151
ISOTOPE MASS = 39. L = 1
AT RESONANCE ENERGY 5.47886E+04 EV. THE GAMMA WIDTH 3.11370E-01 DEVIATES TOO MUCH FROM THE AV
25. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 5.51359E+04 EV. THE GAMMA WIDTH 3.46770E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width
- FILE 2
SECTION 151
ISOTOPE MASS = 39. L = 1
AT RESONANCE ENERGY 5.51359E+04 EV. THE GAMMA WIDTH 3.46770E-01 DEVIATES TOO MUCH FROM THE AV
26. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 5.57448E+04 EV. THE GAMMA WIDTH 6.36960E-02 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width
- FILE 2
SECTION 151
ISOTOPE MASS = 39. L = 1
AT RESONANCE ENERGY 5.57448E+04 EV. THE GAMMA WIDTH 6.36960E-02 DEVIATES TOO MUCH FROM THE AV
27. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE

ENERGY 5.58149E+04 EV. THE GAMMA WIDTH 1.79930E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 1

AT RESONANCE ENERGY 5.58149E+04 EV. THE GAMMA WIDTH 1.79930E-01 DEVIATES TOO MUCH FROM THE AV

28. Gamma width not in agreement with PSYCHE's expectations

FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 5.67231E+04 EV. THE GAMMA WIDTH 2.57010E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 1

AT RESONANCE ENERGY 5.67231E+04 EV. THE GAMMA WIDTH 2.57010E-01 DEVIATES TOO MUCH FROM THE AV

29. Gamma width not in agreement with PSYCHE's expectations

FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 5.99764E+04 EV. THE GAMMA WIDTH 3.08950E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 1

AT RESONANCE ENERGY 5.99764E+04 EV. THE GAMMA WIDTH 3.08950E-01 DEVIATES TOO MUCH FROM THE AV

30. Gamma width not in agreement with PSYCHE's expectations

FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 6.22447E+04 EV. THE GAMMA WIDTH 3.16780E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 1

AT RESONANCE ENERGY 6.22447E+04 EV. THE GAMMA WIDTH 3.16780E-01 DEVIATES TOO MUCH FROM THE AV

31. Gamma width not in agreement with PSYCHE's expectations

FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 6.87735E+04 EV. THE GAMMA WIDTH 1.88310E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 1

AT RESONANCE ENERGY 6.87735E+04 EV. THE GAMMA WIDTH 1.88310E-01 DEVIATES TOO MUCH FROM THE AV

32. Gamma width not in agreement with PSYCHE's expectations

FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 8.06409E+04 EV. THE GAMMA WIDTH 3.38220E+00 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 1

AT RESONANCE ENERGY 8.06409E+04 EV. THE GAMMA WIDTH 3.38220E+00 DEVIATES TOO MUCH FROM THE AV

33. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 8.11678E+04 EV. THE GAMMA WIDTH 2.84780E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 1

AT RESONANCE ENERGY 8.11678E+04 EV. THE GAMMA WIDTH 2.84780E-01 DEVIATES TOO MUCH FROM THE AV

34. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 8.49032E+04 EV. THE GAMMA WIDTH 3.57220E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 1

AT RESONANCE ENERGY 8.49032E+04 EV. THE GAMMA WIDTH 3.57220E-01 DEVIATES TOO MUCH FROM THE AV

35. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 1.02280E+05 EV. THE GAMMA WIDTH 3.54100E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 1

AT RESONANCE ENERGY 1.02280E+05 EV. THE GAMMA WIDTH 3.54100E-01 DEVIATES TOO MUCH FROM THE AV

36. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 1.08592E+05 EV. THE GAMMA WIDTH 3.01730E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 1

AT RESONANCE ENERGY 1.08592E+05 EV. THE GAMMA WIDTH 3.01730E-01 DEVIATES TOO MUCH FROM THE AV

37. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 1.09659E+05 EV. THE GAMMA WIDTH 3.00250E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 1

AT RESONANCE ENERGY 1.09659E+05 EV. THE GAMMA WIDTH 3.00250E-01 DEVIATES TOO MUCH FROM THE AV

38. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 1.09929E+05 EV. THE GAMMA WIDTH 2.78910E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width

- FILE 2
SECTION 151
ISOTOPE MASS = 39. L = 1
AT RESONANCE ENERGY 1.09929E+05 EV. THE GAMMA WIDTH 2.78910E-01 DEVIATES TOO MUCH FROM THE AV
39. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 1.29438E+05 EV. THE GAMMA WIDTH 2.46070E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width
- FILE 2
SECTION 151
ISOTOPE MASS = 39. L = 1
AT RESONANCE ENERGY 1.29438E+05 EV. THE GAMMA WIDTH 2.46070E-01 DEVIATES TOO MUCH FROM THE AV
40. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 1.32368E+05 EV. THE GAMMA WIDTH 8.34550E-02 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width
- FILE 2
SECTION 151
ISOTOPE MASS = 39. L = 1
AT RESONANCE ENERGY 1.32368E+05 EV. THE GAMMA WIDTH 8.34550E-02 DEVIATES TOO MUCH FROM THE AV
41. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 1.46272E+05 EV. THE GAMMA WIDTH 3.46830E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width
- FILE 2
SECTION 151
ISOTOPE MASS = 39. L = 1
AT RESONANCE ENERGY 1.46272E+05 EV. THE GAMMA WIDTH 3.46830E-01 DEVIATES TOO MUCH FROM THE AV
42. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 1.46468E+05 EV. THE GAMMA WIDTH 5.30790E-02 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width
- FILE 2
SECTION 151
ISOTOPE MASS = 39. L = 1
AT RESONANCE ENERGY 1.46468E+05 EV. THE GAMMA WIDTH 5.30790E-02 DEVIATES TOO MUCH FROM THE AV
43. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 1.54610E+05 EV. THE GAMMA WIDTH 2.02020E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width
- FILE 2
SECTION 151
ISOTOPE MASS = 39. L = 1
AT RESONANCE ENERGY 1.54610E+05 EV. THE GAMMA WIDTH 2.02020E-01 DEVIATES TOO MUCH FROM THE AV
44. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE

ENERGY 1.63304E+05 EV. THE GAMMA WIDTH 4.17940E+00 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 1

AT RESONANCE ENERGY 1.63304E+05 EV. THE GAMMA WIDTH 4.17940E+00 DEVIATES TOO MUCH FROM THE AV

45. Gamma width not in agreement with PSYCHE's expectations

FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 2.00061E+05 EV. THE GAMMA WIDTH 2.65900E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 1

AT RESONANCE ENERGY 2.00061E+05 EV. THE GAMMA WIDTH 2.65900E-01 DEVIATES TOO MUCH FROM THE AV

46. Gamma width not in agreement with PSYCHE's expectations

FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 2.00880E+05 EV. THE GAMMA WIDTH 3.25790E+00 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 1

AT RESONANCE ENERGY 2.00880E+05 EV. THE GAMMA WIDTH 3.25790E+00 DEVIATES TOO MUCH FROM THE AV

47. Gamma width not in agreement with PSYCHE's expectations

FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 2.20250E+05 EV. THE GAMMA WIDTH 2.43990E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 1

AT RESONANCE ENERGY 2.20250E+05 EV. THE GAMMA WIDTH 2.43990E-01 DEVIATES TOO MUCH FROM THE AV

48. Gamma width not in agreement with PSYCHE's expectations

FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 2.24860E+05 EV. THE GAMMA WIDTH 3.44760E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 1

AT RESONANCE ENERGY 2.24860E+05 EV. THE GAMMA WIDTH 3.44760E-01 DEVIATES TOO MUCH FROM THE AV

49. Gamma width not in agreement with PSYCHE's expectations

FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 2.28970E+05 EV. THE GAMMA WIDTH 8.49190E-02 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 1

AT RESONANCE ENERGY 2.28970E+05 EV. THE GAMMA WIDTH 8.49190E-02 DEVIATES TOO MUCH FROM THE AV

50. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 2.47708E+05 EV. THE GAMMA WIDTH 1.07060E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 1

AT RESONANCE ENERGY 2.47708E+05 EV. THE GAMMA WIDTH 1.07060E-01 DEVIATES TOO MUCH FROM THE AV

51. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 2.48535E+05 EV. THE GAMMA WIDTH 1.08900E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 1

AT RESONANCE ENERGY 2.48535E+05 EV. THE GAMMA WIDTH 1.08900E-01 DEVIATES TOO MUCH FROM THE AV

52. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 2.49497E+05 EV. THE GAMMA WIDTH 9.06670E-02 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 1

AT RESONANCE ENERGY 2.49497E+05 EV. THE GAMMA WIDTH 9.06670E-02 DEVIATES TOO MUCH FROM THE AV

53. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 2.85081E+05 EV. THE GAMMA WIDTH 8.40180E+00 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 1

AT RESONANCE ENERGY 2.85081E+05 EV. THE GAMMA WIDTH 8.40180E+00 DEVIATES TOO MUCH FROM THE AV

54. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 3.33861E+05 EV. THE GAMMA WIDTH 2.43230E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 1

AT RESONANCE ENERGY 3.33861E+05 EV. THE GAMMA WIDTH 2.43230E-01 DEVIATES TOO MUCH FROM THE AV

55. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 3.44928E+05 EV. THE GAMMA WIDTH 4.94570E+00 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width

- FILE 2
SECTION 151
ISOTOPE MASS = 39. L = 1
AT RESONANCE ENERGY 3.44928E+05 EV. THE GAMMA WIDTH 4.94570E+00 DEVIATES TOO MUCH FROM THE AV
56. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 3.59549E+05 EV. THE GAMMA WIDTH 5.76100E+00 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width
- FILE 2
SECTION 151
ISOTOPE MASS = 39. L = 1
AT RESONANCE ENERGY 3.59549E+05 EV. THE GAMMA WIDTH 5.76100E+00 DEVIATES TOO MUCH FROM THE AV
57. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 3.65844E+05 EV. THE GAMMA WIDTH 2.42130E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width
- FILE 2
SECTION 151
ISOTOPE MASS = 39. L = 1
AT RESONANCE ENERGY 3.65844E+05 EV. THE GAMMA WIDTH 2.42130E-01 DEVIATES TOO MUCH FROM THE AV
58. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 3.66353E+05 EV. THE GAMMA WIDTH 2.32550E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width
- FILE 2
SECTION 151
ISOTOPE MASS = 39. L = 1
AT RESONANCE ENERGY 3.66353E+05 EV. THE GAMMA WIDTH 2.32550E-01 DEVIATES TOO MUCH FROM THE AV
59. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 3.67106E+05 EV. THE GAMMA WIDTH 3.13150E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width
- FILE 2
SECTION 151
ISOTOPE MASS = 39. L = 1
AT RESONANCE ENERGY 3.67106E+05 EV. THE GAMMA WIDTH 3.13150E-01 DEVIATES TOO MUCH FROM THE AV
60. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 3.88724E+05 EV. THE GAMMA WIDTH 3.52840E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width
- FILE 2
SECTION 151
ISOTOPE MASS = 39. L = 1
AT RESONANCE ENERGY 3.88724E+05 EV. THE GAMMA WIDTH 3.52840E-01 DEVIATES TOO MUCH FROM THE AV
61. Gamma width not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE

ENERGY 4.05679E+05 EV. THE GAMMA WIDTH 2.88770E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 1

AT RESONANCE ENERGY 4.05679E+05 EV. THE GAMMA WIDTH 2.88770E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width

62. Gamma width not in agreement with PSYCHE's expectations

FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 4.09252E+05 EV. THE GAMMA WIDTH 3.66840E+00 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 1

AT RESONANCE ENERGY 4.09252E+05 EV. THE GAMMA WIDTH 3.66840E+00 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width

63. Gamma width not in agreement with PSYCHE's expectations

FILE 2 / SECTION 151 / ISOTOPE MASS = 39. L = 1 / AT RESONANCE ENERGY 4.57384E+05 EV. THE GAMMA WIDTH 3.19390E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 39. L = 1

AT RESONANCE ENERGY 4.57384E+05 EV. THE GAMMA WIDTH 3.19390E-01 DEVIATES TOO MUCH FROM THE AVERAGE 1.08495E+00 (0): Gamma width

64. Non-threshold reaction with Q value differing from PSYCHE's expectations

FILE 3 / SECTION 103 / THE CALCULATED Q 3.85860E+05 DISSAGREES WITH THE GIVEN Q 2.17170E+05 (0): Iffy Q

FILE 3

SECTION 103

THE CALCULATED Q 3.85860E+05 DISSAGREES WITH THE GIVEN Q 2.17170E+05

65. Non-threshold reaction with Q value differing from PSYCHE's expectations

FILE 3 / SECTION 107 / THE CALCULATED Q 1.47963E+06 DISSAGREES WITH THE GIVEN Q 1.36325E+06 (0): Iffy Q

FILE 3

SECTION 107

THE CALCULATED Q 1.47963E+06 DISSAGREES WITH THE GIVEN Q 1.36325E+06

• recent Warnings:

1. Fission widths given for non-fissile nucleus, but are zero
0: Fission?

Calculate Cross Sections from Resonance Parameters (RECENT 2015-1)

=====

Retrieval Criteria-----

MAT

File 2 Minimum Cross Section- 1.0000E-10 (Standard Option)

Reactions with No Background- Output (Resonance Contribution)

... [504 more lines]

- fudge-4.0 Warnings:

1. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 0: total (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.40%

2. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 1: (z,n) (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.12%

- fudge-4.0 Errors:

1. Energy range of data set does not match cross section range
reaction label 5: $n + (K39_c \rightarrow K39 + \gamma)$ / Product: $K39_c$ / Decay product: γ / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (3898360.0 -> 20000000.0) vs (3898370.0 -> 20000000.0)

2. Energy range of data set does not match cross section range
reaction label 5: $n + (K39_c \rightarrow K39 + \gamma)$ / Product: $K39_c$ / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (3898360.0 -> 20000000.0) vs (3898370.0 -> 20000000.0)

3. Energy range of data set does not match cross section range
reaction label 5: $n + (K39_c \rightarrow K39 + \gamma)$ / Product: $K39_c$ / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (3898360.0 -> 20000000.0) vs (3898370.0 -> 20000000.0)

4. Calculated and tabulated Q values disagree.
reaction label 6: $n[multiplicity: '2'] + K38 + \gamma$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -12786125.22605896 eV vs -1.3085e7 eV!

5. Calculated and tabulated Q values disagree.
reaction label 7: $n + H1 + Ar38 + \gamma$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6089918.496711731 eV vs -6380110. eV!

6. Calculated and tabulated Q values disagree.
reaction label 8: $K40 + \gamma$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 8091022.808937073 eV vs 7800990. eV!

7. Calculated and tabulated Q values disagree.
reaction label 9: $n + He4 + Cl35 + \gamma$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6926875.287387848 eV vs -7217230. eV!

8. Calculated and tabulated Q values disagree.
reaction label 10: $H1 + (Ar39_s \rightarrow Ar39 + \gamma)$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 508858.677986145 eV vs 217170. eV!

9. Calculated and tabulated Q values disagree.
reaction label 11: He4 + (Cl36_s -> Cl36 + gamma) (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 1652759.375007629 eV vs 1363250. eV!

• njoy2012 Warnings:

1. Message comes from several resonance types that do not support the calculation of angular distributions. Some of them can be used if Want_SAMRL_RM or Want_SAMRML_BW are true.
reconr...reconstruct pointwise cross sections in pendf format (0): RECONR/calculation of angular distribution not installed (0)

---message from rdf2bw---calculation of angular distribution not installed.
samm max legendre order: 0
2. Evaluation has no unresolved resonance parameters given
unresr...calculation of unresolved resonance cross sections (0): No URR

---message from unresr---mat 1925 has no unresolved parameters
copy as is to nout
3. Evaluation has no unresolved resonance parameters given
purrr...probabalistic unresolved calculation (0): No URR

---message from purrr---mat 1925 has no unresolved parameters
copy as is to nout
4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
groupr...compute self-shielded group-averaged cross-sections (0): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 16
only mf4/mf5 provided
5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
groupr...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 22
only mf4/mf5 provided
6. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
groupr...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 28
only mf4/mf5 provided

7. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
grouppr...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 91
only mf4/mf5 provided